		Exploring the E	Extreme
		2005 Mathem	
		Essential Knowledg	
Texas Mathematics			
Grade K			
Activity/Lesson	State	Standards	
,			communicate mathematical ideas using
Finding the Center of			objects, words, pictures, numbers, and
Gravity Using Rulers		MA.K.14.A	technology
		Exploring the E	
		2005 Mathem	
Tayon Mathamatica		Essential Knowledg	je and Skills
Texas Mathematics			
Grade 1	Ctata	Ot a mala mala	
Activity/Lesson	State	Standards	ovalain and record sheemstices weigh
Finding the Contain of			explain and record observations using
Finding the Center of		NAA 4 40 A	objects, words, pictures, numbers, and
Gravity Using Rulers	TX	MA.1.12.A	technology
		Exploring the E	 Extreme
		2005 Mathem	
		Essential Knowledg	
Texas Mathematics			
Grade 2			
Activity/Lesson	State	Standards	
Addivity/L033011	Otato	Otaridards	explain and record observations using
Finding the Center of			objects, words, pictures, numbers, and
Gravity Using Rulers		MA.2.13.A	technology
Cramy Comignition	177		is similarly
		Exploring the E	Extreme
		2005 Mathem	
		Essential Knowledg	ge and Skills
Texas Mathematics			
Grade 3			
Activity/Lesson	State	Standards	
Finding the Contex of			
Finding the Center of		NAA 2 44 A	use linear measurement tools to estimate
Gravity Using Rulers	TX	MA.3.11.A	and measure lengths using standard units;
Finalism (I + C + + +			explain and record observations using
Finding the Center of			objects, words, pictures, numbers, and
Gravity Using Rulers	TX	MA.3.15.A	technology
Finding the Center of			relate informal language to mathematical
Gravity Using Rulers		MA.3.15.B	language and symbols.
Finding the Center of		IVI/1.0.10.D	ianguage and symbols.
Gravity Using Plumb			use linear measurement tools to estimate
	TV	MA.3.11.A	
Lines	TX	IVIA.3.TT.A	and measure lengths using standard units;
Finding the Center of			explain and record observations using
Gravity Using Plumb		NAA 0 45 A	objects, words, pictures, numbers, and
Lines	TX	MA.3.15.A	technology

Changing the Center				
of Gravity Using			use linear measurement tools to estimate	
Moment Arms	TX	MA.3.11.A	and measure lengths using standard units;	
	.,,		collect, organize, record, and display data in	
Changing the Center			pictographs and bar graphs where each	
of Gravity Using			picture or cell might represent more than one	
Moment Arms	TX	MA.3.13.A	piece of data;	
	.,,		select or develop an appropriate problem-	
			solving plan or strategy, including drawing a	
			picture, looking for a pattern, systematic	
Changing the Center			guessing and checking, acting it out, making	
of Gravity Using			a table, working a simpler problem, or	
Moment Arms	TX	MA.3.14.C	working backwards to solve a problem	
Changing the Center			explain and record observations using	
of Gravity Using			objects, words, pictures, numbers, and	
Moment Arms	TX	MA.3.15.A	technology	
			, reconnected,	
		Exploring the Ex	treme	
		2005 Mathema		
	Esse	ntial Knowledge	and Skills	
Texas Mathematics				
Grade 4				
Activity/Lesson	State	Standards		
			estimate and use measurement tools to	
			determine length (including perimeter), area,	
Finding the Center of	I		capacity and weight/mass using standard	
Gravity Using Rulers	TX	MA.4.11.A	units SI (metric) and customary;	
			explain and record observations using	
Finding the Center of			objects, words, pictures, numbers, and	
Gravity Using Rulers	TX	MA.4.15.A	technology	
			estimate and use measurement tools to	
Finding the Center of			determine length (including perimeter), area,	
Gravity Using Plumb			capacity and weight/mass using standard	
Lines	TX	MA.4.11.A	units SI (metric) and customary;	
Finding the Center of			explain and record observations using	
Gravity Using Plumb			objects, words, pictures, numbers, and	
Lines	TX	MA.4.15.A	technology	
			estimate and use measurement tools to	
Changing the Center			determine length (including perimeter), area,	
of Gravity Using			capacity and weight/mass using standard	
Moment Arms	TX	MA.4.11.A	units SI (metric) and customary;	
			select or develop an appropriate problem-	
			solving plan or strategy, including drawing a	
Ob an aim at the Octob			picture, looking for a pattern, systematic	
Changing the Center			guessing and checking, acting it out, making	
of Gravity Using	TV	NAA 4 4 4 0	a table, working a simpler problem, or	
Moment Arms	TX	MA.4.14.C	working backwards to solve a problem	
Changing the Center			explain and record observations using	
of Gravity Using	TV	NAA 445 A	objects, words, pictures, numbers, and	
Moment Arms	TX	MA.4.15.A	technology	
		From Lawin er 41- a. Fri	<u> </u>	
Exploring the Extreme				

		2005 Mathen	natics
		Essential Knowledge	ge and Skills
Texas Mathematic	S		
Grade 5			
Activity/Lesson	State	Standards	
			explain and record observations using
			objects, words, pictures, numbers, and
Jet Propulsion	TX	MA.5.15.A	technology
			relate informal language to mathematical
Jet Propulsion	TX	MA.5.15.B	language and symbols.
			explain and record observations using
			objects, words, pictures, numbers, and
Vectoring	TX	MA.5.15.A	technology
		Exploring the E	
		2005 Mathen	
Texas Mathematic		Essential Knowledg	ge and Skills
Grade 6	5		
Activity/Lesson	State	Standards	
Activity/Lesson	State	Standards	communicate mathematical ideas using
			language, efficient tools, appropriate units,
			and graphical, numerical, physical, or
Jet Propulsion	TX	MA.6.12.A	algebraic mathematical models; and
Jet Propulsion	17	IVIA.0.12.A	evaluate the effectiveness of different
Jet Propulsion	TX	MA.6.12.B	representations to communicate ideas.
Jet Propulsion	17	IVIA.0.12.D	The student solves application problems
			involving estimation and measurement of
			length, area, time, temperature, volume,
			weight, and angles. The student is expected
Vectoring	TX	MA.6.8.C	to: measure angles;
Vectoring	17	IVIA.U.U.C	solve problems by collecting, organizing,
Vectoring	TX	MA.6.10.D	displaying, and interpreting data.
Vocioning	17A	WIA.0.10.D	communicate mathematical ideas using
			language, efficient tools, appropriate units,
			and graphical, numerical, physical, or
Vectoring	TX	MA.6.12.A	algebraic mathematical models; and
Vocioning	17	IVI/1.U. 12./1	evaluate the effectiveness of different
Vectoring	TX	MA.6.12.B	representations to communicate ideas.
Vocioning	17A	IVIA.O.12.D	estimate and round to approximate
Center of Gravity,			reasonable results and to solve problems
Pitch, Yaw	TX	MA.6.2.D	where exact answers are not required; and
i itori, i avv	1/	IVI/1.U.Z.D	whole exact answers are not required, and
Center of Gravity,			represent ratios and percents with concrete
Pitch, Yaw	TX	MA.6.3.B	models, fractions, and decimals; and
i itori, i uvv	17	1717 (.0.0.D	estimate measurements (including
Center of Gravity,			circumference) and evaluate reasonableness
Pitch, Yaw	TX	MA.6.8.A	of results;
i itoli, law	17	IVIA.0.0.A	oi icaulta,

		select tools such as real objects,
		manipulatives, paper/pencil, and technology
		or techniques such as mental math,
		estimation, and number sense to solve
TV	MA 6 11 D	
17	IVIA.6.11.D	problems.
	 Exploring the Ex	xtreme
	2005 Mathema	
	ntial Knowledge	e and Skills
3		
State	Standards	
		communicate mathematical ideas using
		language, efficient tools, appropriate units,
		and graphical, numerical, physical, or
TX	MA.7.14.A	algebraic mathematical models; and
		evaluate the effectiveness of different
TX	MA.7.14.B	representations to communicate ideas.
		communicate mathematical ideas using
		language, efficient tools, appropriate units,
		and graphical, numerical, physical, or
TX	MA.7.14.A	algebraic mathematical models; and
		estimate and find solutions to application
TX	MA.7.3.A	problems involving percent; and
		select tools such as real objects,
		manipulatives, paper/pencil, and technology
		or techniques such as mental math,
		estimation, and number sense to solve
TX	MA.7.13.D	problems.
		estimate and find solutions to application
TX	MA.7.3.A	problems involving percent; and
		generate formulas involving unit conversions
		within the same system (customary and
		metric), perimeter, area, circumference,
TX	MA.7.4.A	volume, and scaling;
	Evaloring the E	ytromo
Esse		
5		
State	Standards	
		communicate mathematical ideas using
		language, efficient tools, appropriate units,
		and graphical, numerical, physical, or
TX	MA.8.15.A	algebraic mathematical models; and
		evaluate the effectiveness of different
TX	MA.8.15.B	representations to communicate ideas.
		communicate mathematical ideas using
		communicate mathematical ideas using language, efficient tools, appropriate units.
		communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or
	TX T	Exploring the E 2005 Mathem Essential Knowledge TX MA.7.14.A TX MA.7.14.B TX MA.7.14.A TX MA.7.3.A TX MA.7.3.A TX MA.7.3.A TX MA.7.4.A Exploring the E 2005 Mathem Essential Knowledge S State Standards

			evaluate the effectiveness of different
Vectoring	TX	MA.8.15.B	representations to communicate ideas.
			compare and order rational numbers in
			various forms including integers, percents,
Center of Gravity,			and positive and negative fractions and
Pitch, Yaw	TX	MA.8.1.A	decimals;
			estimate and find solutions to application
			problems involving percents and other
Center of Gravity,			proportional relationships such as similarity
Pitch, Yaw	TX	MA.8.3.B	and rates.
			estimate measurements and use formulas to
			solve application problems involving lateral
Fuel Efficiency	TX	MA.8.8.C	and total surface area and volume.